

Zero Emission Electric Vehicle Infrastructure Council (ZEEVIC) May Meeting

Meeting Date: May 26, 2022

Meeting Location: Phone/Webinar and MDOT HQ

ZEEVIC Members/Appointed Representatives in Attendance:

- R. Earl Lewis, Jr. (MDOT), ZEEVIC Chair
- Weston Young (Worcester County/MACO)
- Quiera Harris (PABC/MACO)
- Nina Forsythe (City of Frostburg/MML)
- Senator Clarence Lam (MGA District 12)
- Kristy Fleischmann-Groncki (BGE)
- Jeff Shaw (SMECO)
- Jason Tai (Tesla Consultant)
- Kevin Miller (ChargePoint)
- Joe Alfred (Ally Power)
- Michael A. Wall (Clinton Electric)
- Scott Wilson (EVA DC)
- Bihui Xu (MDP)
- Kevin Mosier (PSC)
- Mike Jones (MEA)

ZEEVIC Member Alternates:

- Fred Hoover (OPC)
- Tim Shepherd (MDE)
- Dan O'Connor (PHI)
- Wade Haerle (Commerce)

Staff:

- Virginia Burke (MDOT)
- Dan Janousek (MDOT)
- Leo Sawada (Jacobs, supporting MDOT)
- David Proctor (Sharp & Co., supporting MDOT)
- Julia Vaughn (Sharp & Co., supporting MDOT)

Welcome and Announcements

- Quiera Harris, Manager of Valet Regulations for the Parking Authority of Baltimore City (PABC) was introduced as a new ZEEVIC member and now serves as the Maryland Association of Counties (MACO) Representative – Urban or Suburban region.
- As of April 30, there were 47,132 EVs registered in Maryland, which is a 42.1% growth rate over the year prior.
- Maryland is ranked as the third best state to own an electric vehicle by LendingTree, based on vehicle fatalities, electricity costs, state tax credits, public charging infrastructure, and EV registrations.

Public Comments

- Steve Koerner, Vice President of Policy for Amply Power, a provider of charging management services to fleet operators, introduced himself to the council.

Zero Emission Vehicle Infrastructure Plan (ZEVIP) Update

- ZEVIP and NEVI Overview
 - MDOT is developing ZEVIP, which will cover a range of activities in Maryland relating to zero-emission vehicles and infrastructure.
 - Under ZEVIP is the NEVI Formula Program, which requires states to submit a deployment plan to the Joint Office of Energy and Transportation by August 1.

- Eligible plans will be approved by September 30 and unlock approximately \$60 million in Formula funding to strategically deploy EV charging infrastructure and establish an interconnected network for data collection, access, and reliability.
- MDOT will develop the program, and solicitations will be released after the plan is approved.
- The requirements for NEVI Formula Program Funding are as follows:
 - Building out all existing corridors
 - Obtaining certification
 - Investment in communities
- Public Participation
 - MDOT launched a MetroQuest survey on March 24 to give stakeholders an opportunity to comment on ZEVIP’s vision and goals, prioritization, and infrastructure siting development.
 - Listed below are the top responses from 210 survey participants:
 - Placement Prioritization Criteria: Distance to the nearest charging station
 - Preferred Charging Locations: Retail/shopping centers
 - The MetroQuest survey also featured a mapping component that had participants select preferred locations for charging infrastructure on a map, and 333 optimal sites were identified.
 - MDOT also conducted a Menti Survey during ZEVIP webinars to identify participants’ equity concerns and charging locations best suited for disadvantaged communities.
 - Top Equity Concern: Cost of charging/maintenance of stations
 - Top Charging Location: Retail establishments
- Data Analysis – Location Based Tool
 - MDOT is analyzing multiple indicators like EV infrastructure, land use, socioeconomic, and existing outreach data to determine where disadvantaged communities are and how they may be affected positively by the location of new charging infrastructure.

Alternative Fuel Corridor Nomination

- Summary of the recent Round 6 Alternative Fuel Corridor nominations:

AFC Nomination	AFC Nomination Overview
AFC: ICC/MD 200	<ul style="list-style-type: none"> ● Nominated as corridor-pending ● Currently, no EV charging stations meet FHWA Criteria ● Three ZIP Codes with over 250 EVs registered ● Passes through five census tracts identified in MDOT’s draft NEVI Plan as a rural or disadvantaged community
Hydrogen AFC: 1-95	<ul style="list-style-type: none"> ● Nominated as corridor-pending ● Currently no hydrogen infrastructure ● Connection to 25 intermodal freight facilities ● Passes through 39 census tracts identified in MDOT’s draft NEVI Plan as a rural or disadvantaged community ● Two segments identified as having some of the highest truck volumes ● Tunnel safety issues are not a barrier for consideration

Hydrogen AFC: I-695	<ul style="list-style-type: none"> • Nominated as corridor-pending • Currently no hydrogen infrastructure • Connection to 26 intermodal freight facilities • Passes through 27 census tracts identified in MDOT’s draft NEVI Plan as a rural or disadvantaged community • One segment identified as having one of the highest truck volumes
Hydrogen AFC: I-495	<ul style="list-style-type: none"> • Nominated as corridor-pending • Currently no hydrogen infrastructure • Connection to 1 intermodal freight facility • Passes through four census tracts identified in MDOT’s draft NEVI Plan as a rural or disadvantaged community

Federal Funding Opportunities

- \$7.5 billion will be available through the NEVI Funding Program to all states over the next five years.
 - \$5 billion of NEVI funds will be allocated towards State Funded Programs.
 - \$2.5 billion of NEVI funds will be allocated to discretionary grants targeting rural and underserved communities.
- Three grants for federal discretionary programs to be launched by November 15, 2022:
 - Discretionary Grant Program for Charging and Fueling Infrastructure
 - National Alternative Fuel Corridor
 - Community Alternative Fuel Infrastructure Grant
 - Eligible entities include states, metropolitan planning organizations, local governments, political subdivisions, and tribal governments.
- Due to the hydrogen AFC nominations and rising interest within the state, possible funding opportunities for hydrogen infrastructure and vehicles includes:
 - Clean School Bus Program
 - National Alternative Fuels Corridors
 - Hydrogen Demonstration Project Grants
 - Port Infrastructure Development Program (PIDP)
 - Alternative Fuel Corridor (AFC) Grants
 - Alternative Fuel Vehicle (AFV) Grants
 - Community Alternative Fuel Infrastructure Grants
 - Low and Zero Emission Ferry Program

2022 Legislative Session Summary

- The status of bills that ZEEVIC wrote and submitted a letter of support for on March 9, 2022:

Bill Number	Bill Title	Status
SB0146	Vehicle Laws – Plug-In Electric Drive Vehicles – Reserved Parking Spaces	Passed
HB0157	Vehicle Laws – Plug-In Electric Drive Vehicles – Reserved Parking Spaces	Passed
HB0696	Public Utilities – Electric School Bus Pilot Program	Passed

HB0829/SB0687	MDE – Zero-Emission Medium- and Heavy-Duty Vehicles (MHDVs) – Regulations (Zero-Emission Truck Act of 2022)	Failed
HB0894	Transportation Electrification and Modernization (TEAM Act)	Failed
HB1146	Residential Construction – EV Charging	Failed
HB1391	Clean Cars Act of 2022	Passed

- A summary of other relevant ZEV bills passed during the 2022 legislative session as of May 26:

Bill Number	Bill Title	Status
HB0010/SB0061	Maryland Transit Administration - Conversion to Zero- Emission Buses (Zero-Emission Bus Transition Act Revisions)	Passed

Maryland EV, Web, Social Media and Public Outreach Updates

- MarylandEV is returning to in-person outreach in summer 2022 and listed the following potential in-person outreach events to attend:
 - Baltimore Washington One Carnival: July 9-10, 2022
 - Washington County Fair: July 16-23, 2022
 - Wicomico County Fair: August 20-22, 2022
- Meeting participants also suggested future in-person outreach events:
 - Autumn Glory: October 12-16, 2022
 - Great Frederick Fair: September 16-24, 2022
 - Howard County GreenFest: April 2023
- [MarylandEv.org](#) has been updated and features refreshed home and incentives pages.

Utility Updates

- BGE
 - EVSE Pilot Program Update
 - Residential Rebate: 1,862 applications
 - Multifamily Rebate: 145 ports
 - Public Charging Stations: 208 live, 223 in progress
 - TOU Rate: 955 participants
 - BGE partnered with Lyft to deploy 100 ride-share vehicles in the Baltimore area.
 - The first 25 vehicles have been delivered and are expected to be available to drivers on June 1.
 - BGE and Lyft will host an event to celebrate the launch of its ride-share program and the installation of charging stations in the Johnston Square community in September.
 - BGE will also be participating in Drive Electric Week events in September.
 - BGE will potentially participate in the Trucks for Tots event at the Maryland Zoo in October.
- PHI
 - MD EVSmart Incentive and Rebate Program Update
 - PEPCO
 - Residential Rebate: 750 currently enrolled
 - R-PIV TOU Rate: 330 currently enrolled

- Multi-Dwelling Unit Incentive: 20 ports
 - Off Peak/Off Bill Rebate: 250 currently enrolled
 - DPL
 - Residential Rebate: 68 currently enrolled
 - R-PIV TOU Rate: 5 currently enrolled
 - Multi-Dwelling Unit Incentive: 0 ports
 - Off Peak/Off Bill Rebate: 32 currently enrolled
 - Currently, there is a total of 151 public chargers in service from Pepco and DPL. 135 public chargers remain in progress for the PHI MD EVSmart Pipeline.
 - The PHI MD EVSmart program intends to request additional marketing budget through the July 2022 semi-annual report to support targeted outreach.
- SMECO
 - EVSE Pilot Program Update
 - SMECO has installed 27 EVSE.
 - SMECO launched whole-house TOU rates in February.
 - SMECO hosted an EV Meet & Greet on May 14 at the LaPlata Farmer’s Market.
 - Potomac Edison
 - EVSE Pilot Program Update
 - Residential Rebate: 224 rebates paid out through April 30
 - Multifamily Rebate: 6 pending approvals
 - Public Charging Stations: 28 stations
 - TOU Rate: 382 participants
 - Potomac Edison is promoting the inclusion of Tesla in Rebate and Off-Peak Rewards programs on PlugShare.com.

State Agency Updates

- MDE
 - Volkswagen Settlement Updates – EVSE Infrastructure Programs
 - Phase I
 - The first Level 3 charger project was completed at Valley Park Commons in Hagerstown.
 - Four Level 3 chargers were installed. Two of the chargers are 100 kW, and the other two chargers power share 350 kW.
 - Phase II
 - Proposals for Phase II of the EVSE Infrastructure Program were due April 15.
 - MDE received 77 proposals (47 ECGP, 30 CAGP).
 - Approximately, \$12.6 million in total requested funds.
 - MDE observed that it received a much better geographic distribution and higher power levels than in Round 1.
- MEA
 - EVSE Rebate Update

- \$1.8 million EVSE Rebate budget depleted the first week of April, totaling 2,120 chargers: \$1,130,530 for 1,927 residential chargers and \$669,464 for 193 commercial chargers.
 - MEA will continue to receive EVSE Rebate applications during FY22 and will process out of FY23 funds in the order received.
 - Clean Fuels Incentive Program Update
 - MEA ran the first round for FY22 and awarded a total of \$630,000 to 5 applicants for 10 fleet EVs.
 - On April 20, MEA closed Round 2 with \$6.3 million in total grant requests.
 - Evaluations are ongoing and MEA aims to make awards and execute grant agreements by mid-June.
 - Clean Fuels Technical Assistance Program Update
 - The task order to move the FY22 round forward has been executed and will open soon.
- PSC
 - PC44 EV Work Group Summary Q1 2022 and Other Commission Activities
 - Fleet Subgroup to file report by June 30.
 - PC44 EV Work Group will file reliability recommendations by August 1.
 - PSC is continuing to work on commercial rate design, EVSE metering, and other issues.
 - Utility reports for Q1 and Q2 2022 will be filed on August 1.
- Additional State Agencies
 - MDP
 - MDP is supporting MDOT and MEA's effort to develop ZEVIP by providing mapping and data tools.
 - Bihui Xu suggested adding local updates to the agenda for future ZEEVIC meetings.
 - DGS
 - 195 charging ports were added in FY22.
 - DGS funded 13 projects and installed 87 charging ports at state facilities.
 - DGS is currently developing its project list for FY23.
 - As a result of Climate Solutions Now, DGS is now responsible for ensuring EV charging infrastructure at state facilities and transitioning the state's passenger and light-duty fleet vehicles to zero-emission vehicles.

Closing Remarks

- Earl Lewis asked for a ZEEVIC Member to volunteer to serve as Communications Working Group Chair.
- The remaining 2022 ZEEVIC meetings are scheduled for July 20, September 21, and November 16, 2022.

Next ZEEVIC Meeting

July 20, 2022